

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042319\
 Data File : BN005241.D
 Acq On : 24 Apr 2019 07:09
 Operator : JU/SJ
 Sample : K2455-11 10X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHR1

Manual Integrations
 APPROVED

Sohil
 4/24/2019 11:46:15 AM

Quant Time: Apr 25 07:39:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Apr 23 03:50:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	480809	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1874666	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1115135	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2251253	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	1955888	20.00	ng/ul	0.00
85) Perylene-d12	23.42	264	2187167	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	11823	1.19	ng/uL	0.00
5) Phenol-d5	6.78	99	59386	1.57	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	43850	1.86	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	50690	1.75	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	35734	1.21	ng/ul	0.00
19) Nitrobenzene-d5	8.72	128	72303	6.27	ng/ul	-0.02
22) 2-Nitrophenol-d4	9.45	143	22597	1.93	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	49046	1.83	ng/ul	0.00
29) 4-Chloroaniline-d4	10.48	131	124277	4.49	ng/ul	-0.02
43) Dimethylphthalate-d6	13.65	166	184670	2.28	ng/ul	0.00
46) Acenaphthylene-d8	13.93	160	201779	2.03	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	38569	3.02	ng/ul	0.00
57) Fluorene-d10	15.23	176	150569	2.22	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	1770	0.17	ng/ul	0.01
70) Anthracene-d10	17.09	188	212834	2.26	ng/ul	0.00
78) Pyrene-d10	19.40	212	221882	2.22	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	208236	2.18	ng/ul	0.00

Target Compounds

					Qvalue	
14) Acetophenone	8.40	105	163167	3.454	ng/ul#	65
28) Naphthalene	10.42	128	21072431m	241.795	ng/ul	
34) 2-Methylnaphthalene	12.05	142	29124514m	456.409	ng/ul	
40) 1,1'-Biphenyl	13.06	154	3129124	37.660	ng/ul	99
47) Acenaphthylene	13.96	152	10867642	111.225	ng/ul#	95
49) Acenaphthene	14.30	153	1464045	21.948	ng/ul	98
53) Dibenzofuran	14.63	168	1919272	19.984	ng/ul	95
58) Fluorene	15.29	166	6601092	88.084	ng/ul#	97
69) Phenanthrene	17.03	178	18427486m	168.073	ng/ul	
71) Anthracene	17.12	178	4697273	42.057	ng/ul	99
76) Fluoranthene	19.06	202	4665378	38.363	ng/ul	98
79) Pyrene	19.43	202	7325811	58.172	ng/ul	99
82) Benzo(a)anthracene	21.20	228	2717998m	22.338	ng/ul	
84) Chrysene	21.25	228	2226977	19.721	ng/ul	99
87) Benzo(b)fluoranthene	22.76	252	1270989	10.338	ng/ul	99
88) Benzo(k)fluoranthene	22.80	252	395003m	3.364	ng/ul	
90) Benzo(a)pyrene	23.32	252	1394529	12.067	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.59	276	487135	3.813	ng/ul	98
92) Dibenzo(a,h)anthracene	25.60	278	184470	1.701	ng/ul	95
93) Benzo(g,h,i)perylene	26.25	276	346531	3.280	ng/ul	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

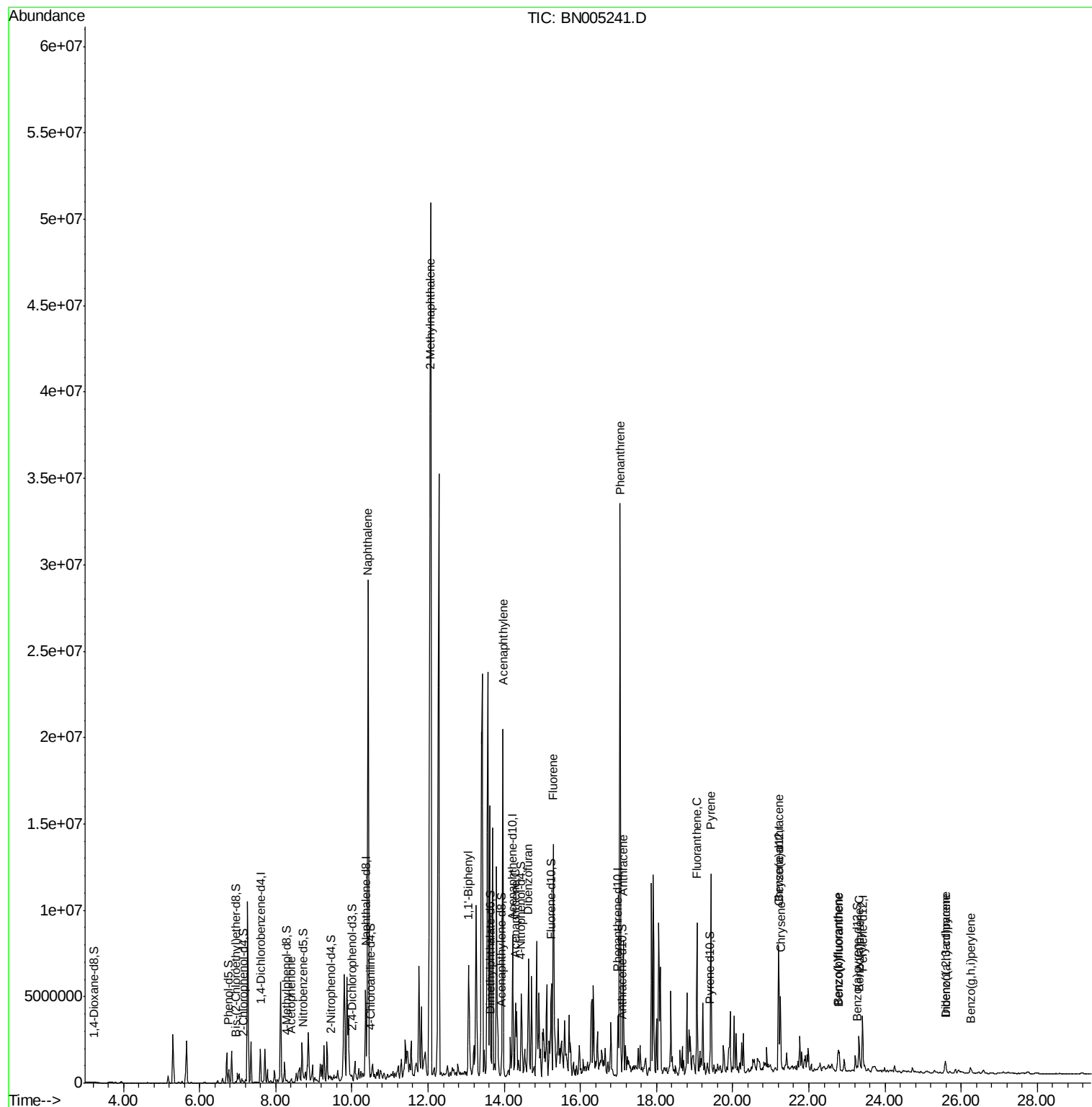
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042319\
Data File : BN005241.D
Acq On : 24 Apr 2019 07:09
Operator : JU/SJ
Sample : K2455-11 10X
Misc :
ALS Vial : 30 Sample Multiplier: 1

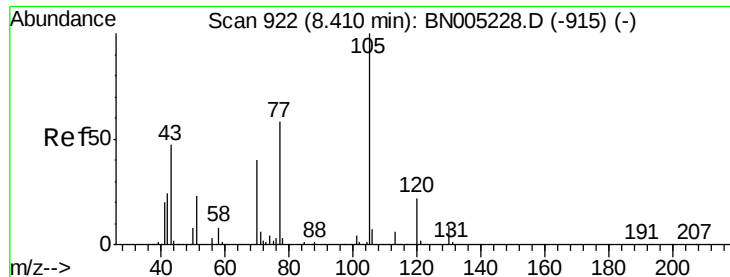
Instrument :
BNA_N
ClientSampleId :
GAHR1

Quant Time: Apr 25 07:39:47 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Apr 23 03:50:45 2019
Response via : Initial Calibration

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#14

Acetophenone

Concen: 3.454 ng/ul

RT: 8.40 min Scan# 920

Delta R.T. -0.01 min

Lab File: BN005241.D

Acq: 24 Apr 2019 07:09

Instrument :

BNA_N

ClientSampled :

GAHR1

Tgt Ion:105 Resp: 163167
Ion Ratio Lower Upper

105 100

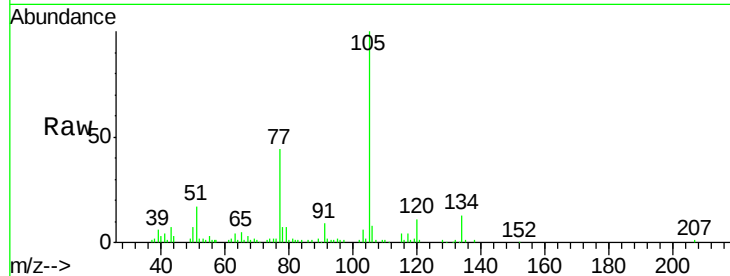
77 44.1 63.4 95.0#

51 17.5 24.2 36.4#

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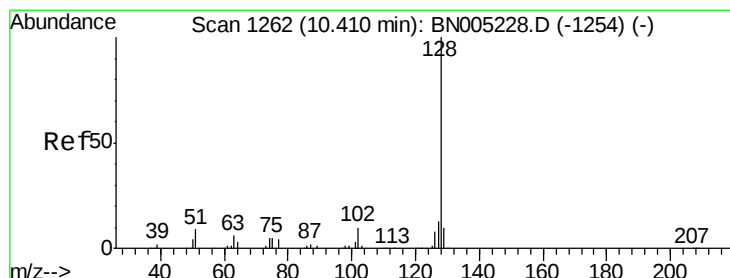
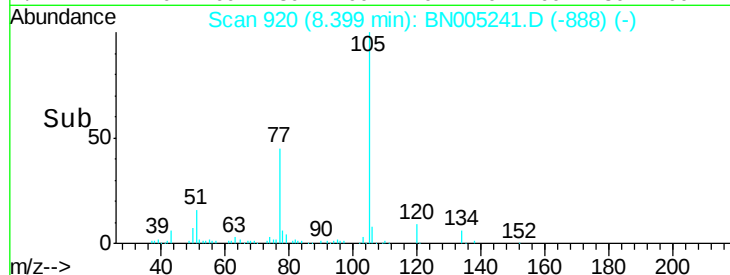
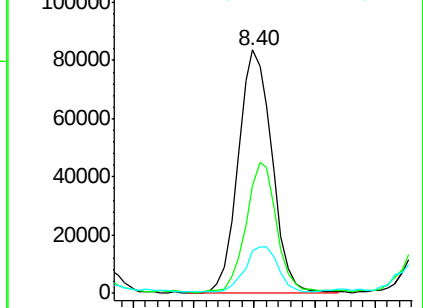
4/24/2019 11:46:15 AM



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BNC

Ion 51.00 (50.70 to 51.70): BNC



#28

Naphthalene

Concen: 241.795 ng/ul m

RT: 10.42 min Scan# 1263

Delta R.T. 0.01 min

Lab File: BN005241.D

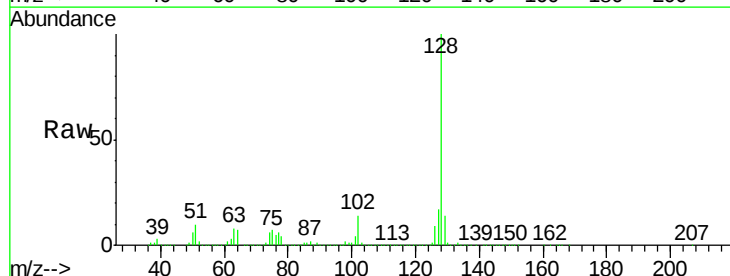
Acq: 24 Apr 2019 07:09

Tgt Ion:128 Resp:21072431
Ion Ratio Lower Upper

128 100

129 14.3 9.2 13.8#

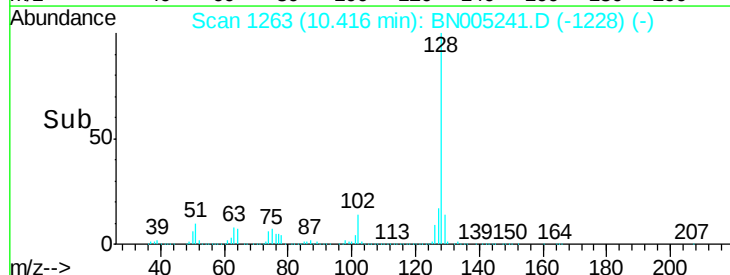
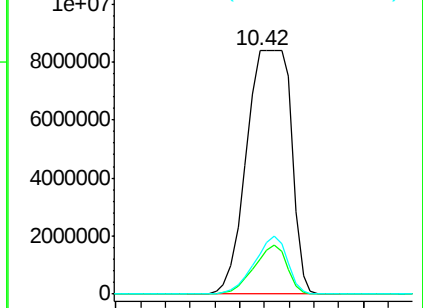
127 16.5 10.7 16.1#

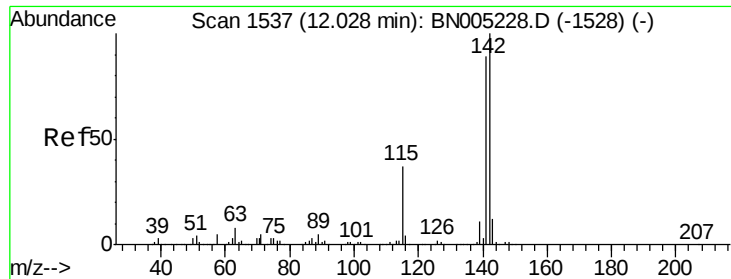


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





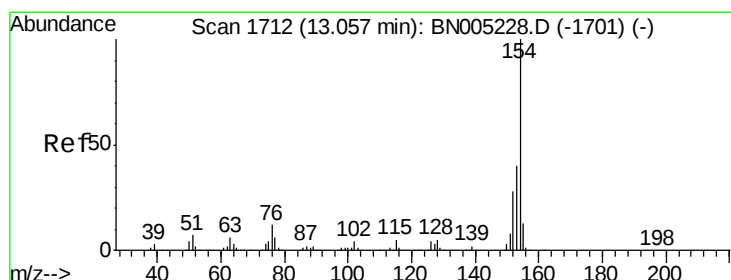
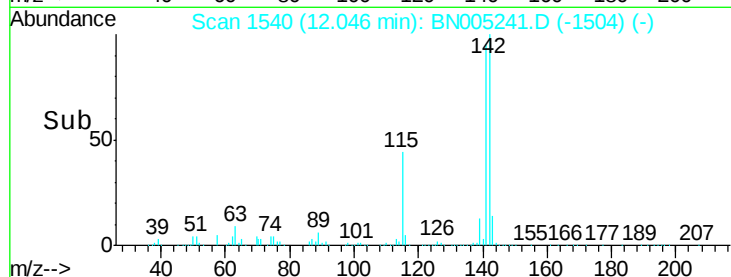
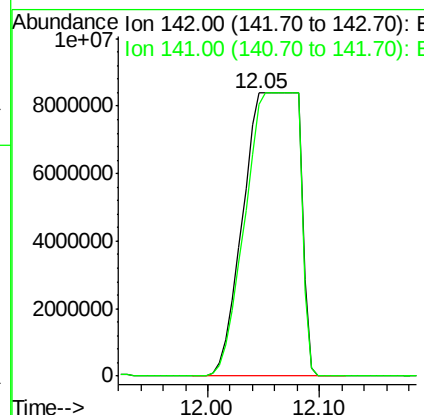
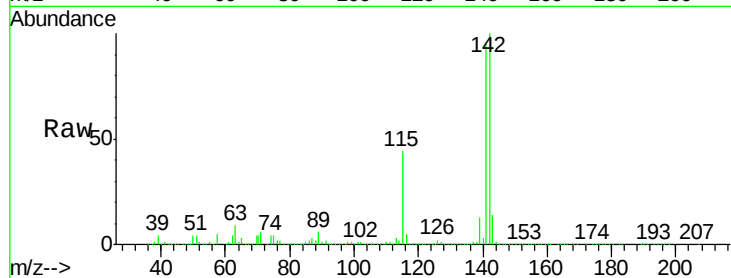
#34
 2-Methylnaphthalene
 Concen: 456.409 ng/ul m
 RT: 12.05 min Scan# 1540
 Delta R.T. 0.01 min
 Lab File: BN005241.D
 Acq: 24 Apr 2019 07:09

Instrument :
 BNA_N
 ClientSampled :
 GAHR1

Tgt Ion:142 Resp:29124514
 Ion Ratio Lower Upper
 142 100
 141 95.9 72.0 108.0

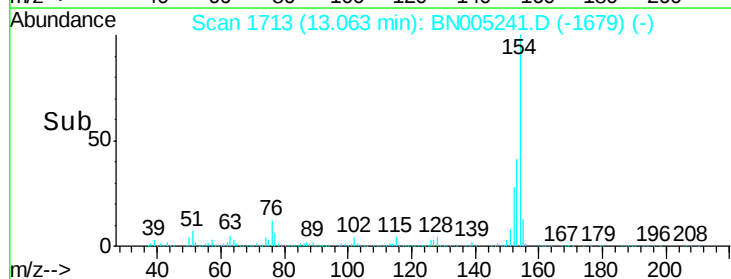
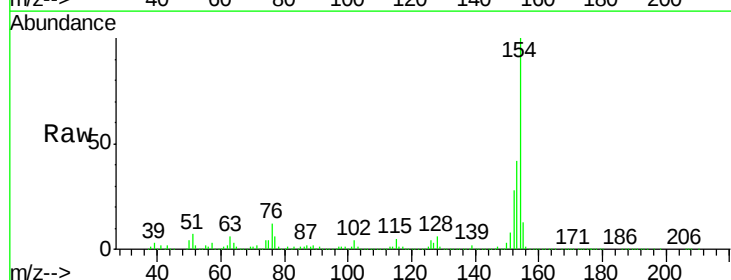
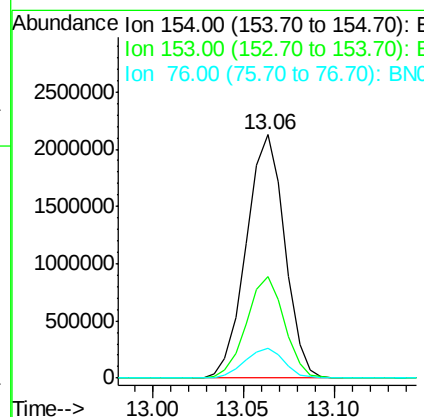
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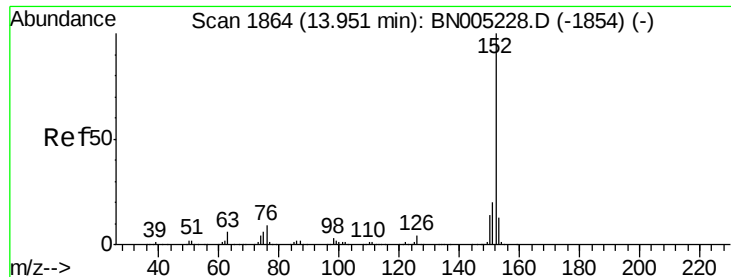
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#40
 1,1'-Biphenyl
 Concen: 37.660 ng/ul
 RT: 13.06 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: BN005241.D
 Acq: 24 Apr 2019 07:09

Tgt Ion:154 Resp: 3129124
 Ion Ratio Lower Upper
 154 100
 153 41.5 32.6 49.0
 76 12.0 10.4 15.6





#47

Acenaphthylene

Concen: 111.225 ng/ul

RT: 13.96 min Scan# 1866

Delta R.T. 0.01 min

Lab File: BN005241.D

Acq: 24 Apr 2019 07:09

Instrument :

BNA_N

ClientSampleId :

GAHR1

Tgt Ion:152 Resp:10867642

Ion Ratio Lower Upper

152 100

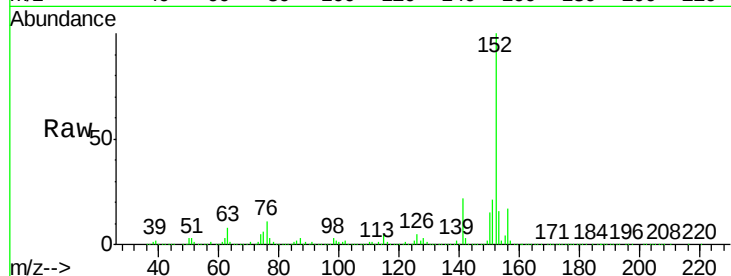
151 21.3 15.8 23.8

153 15.8 9.8 14.8#

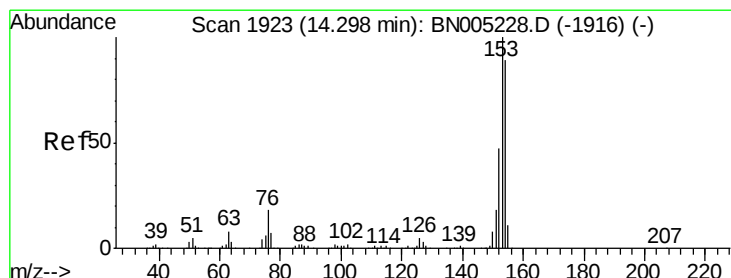
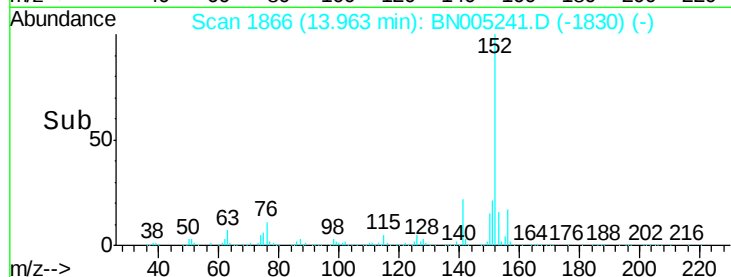
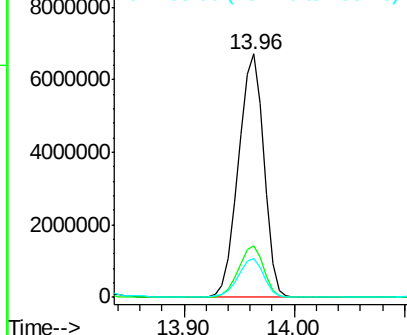
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 21.948 ng/ul

RT: 14.30 min Scan# 1923

Delta R.T. 0.00 min

Lab File: BN005241.D

Acq: 24 Apr 2019 07:09

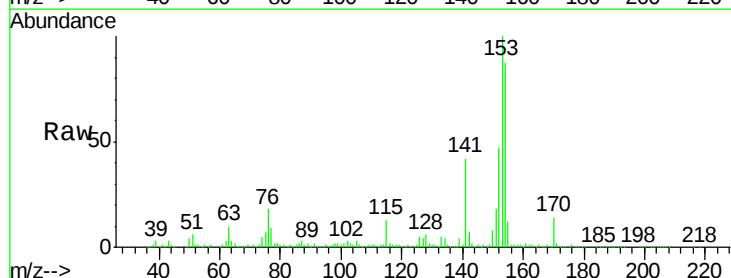
Tgt Ion:153 Resp: 1464045

Ion Ratio Lower Upper

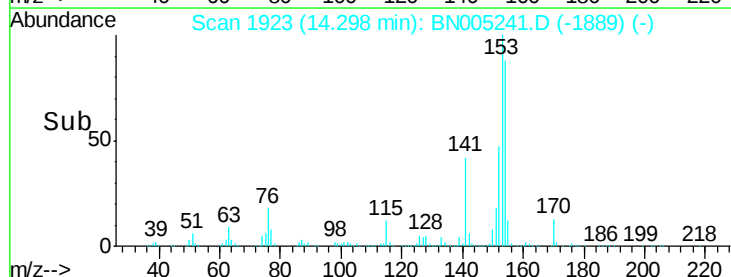
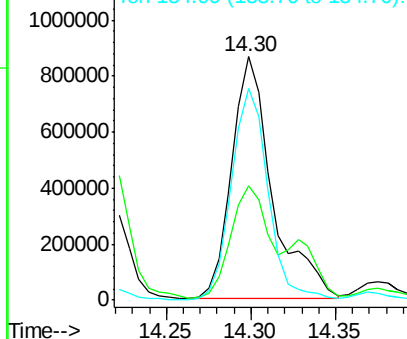
153 100

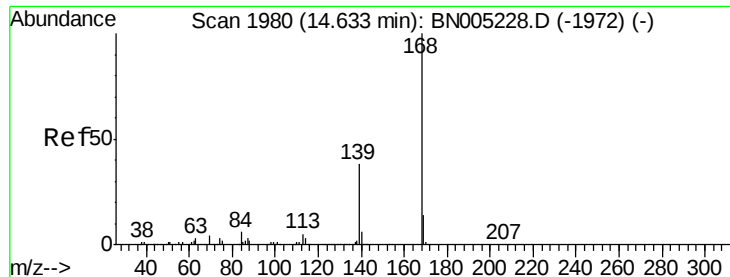
152 47.0 37.4 56.0

154 86.8 71.2 106.8



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 19.984 ng/ul

RT: 14.63 min Scan# 1980

Delta R.T. 0.00 min

Lab File: BN005241.D

Acq: 24 Apr 2019 07:09

Instrument :

BNA_N

ClientSampleId :

GAHR1

Tgt Ion:168 Resp: 1919272

Ion Ratio Lower Upper

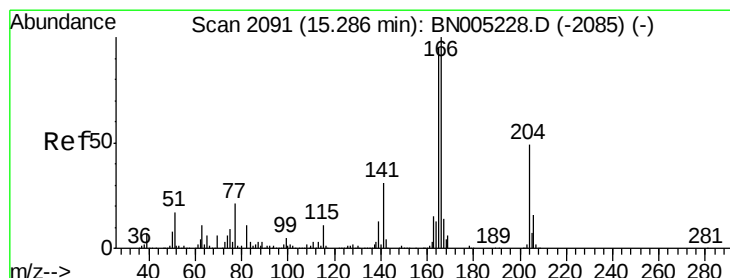
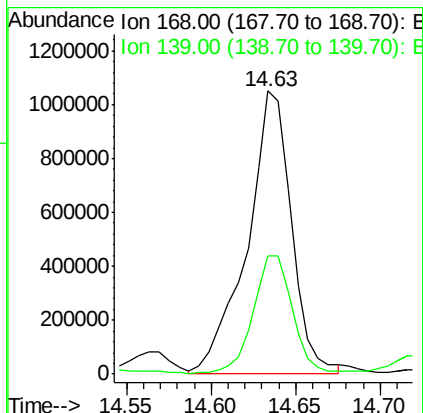
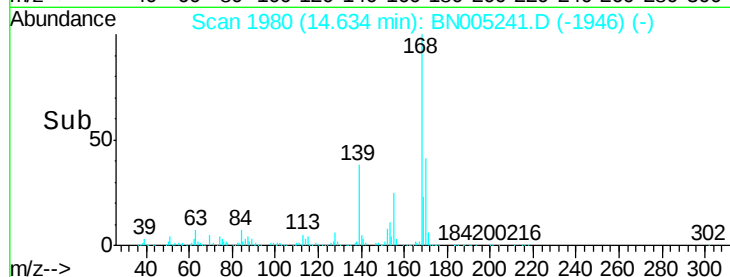
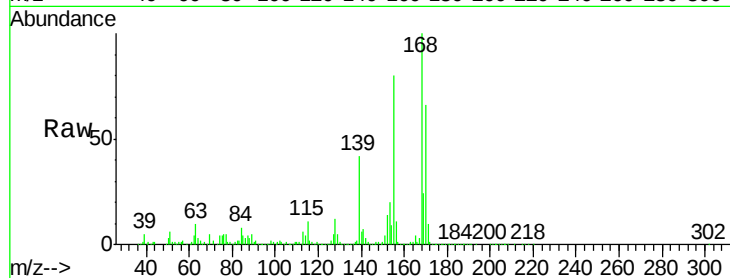
168 100

139 41.9 30.9 46.3

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#58

Fluorene

Concen: 88.084 ng/ul

RT: 15.29 min Scan# 2092

Delta R.T. 0.01 min

Lab File: BN005241.D

Acq: 24 Apr 2019 07:09

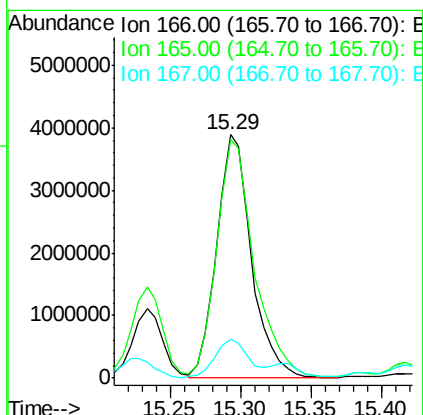
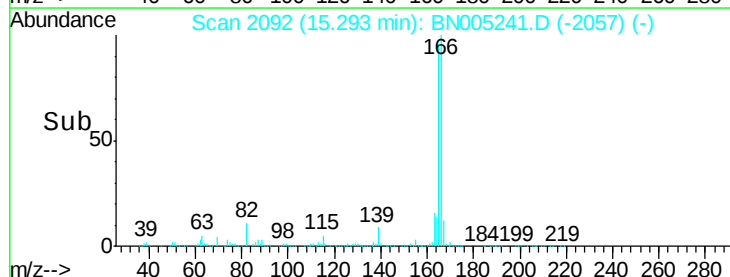
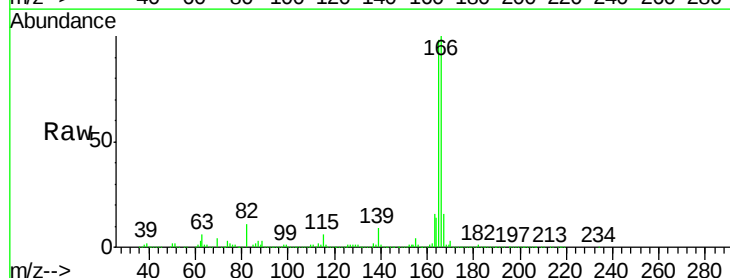
Tgt Ion:166 Resp: 6601092

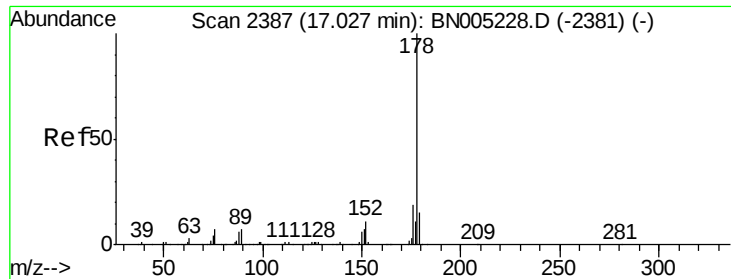
Ion Ratio Lower Upper

166 100

165 97.7 80.0 120.0

167 16.2 10.7 16.1#





#69

Phenanthrene

Concen: 168.073 ng/ul m

RT: 17.03 min Scan# 2388

Delta R.T. 0.01 min

Lab File: BN005241.D

Acq: 24 Apr 2019 07:09

Instrument :

BNA_N

ClientSampled :

GAHR1

Tgt Ion:178 Resp:18427486

Ion Ratio Lower Upper

178 100

179 20.7 12.2 18.4#

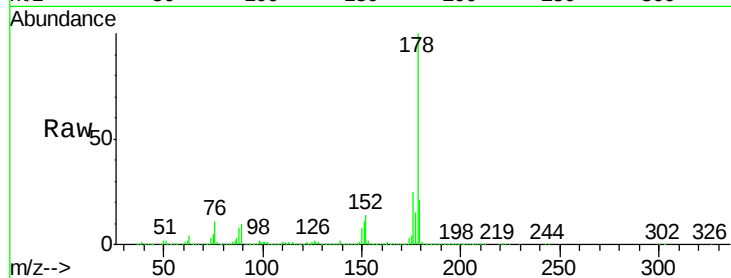
176 24.6 15.1 22.7#

Manual Integrations

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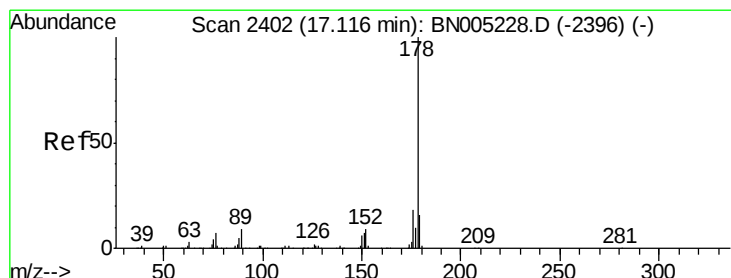
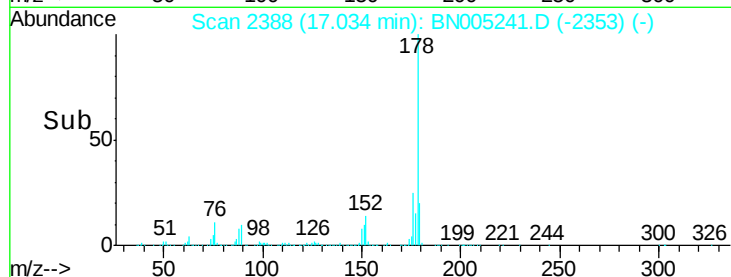
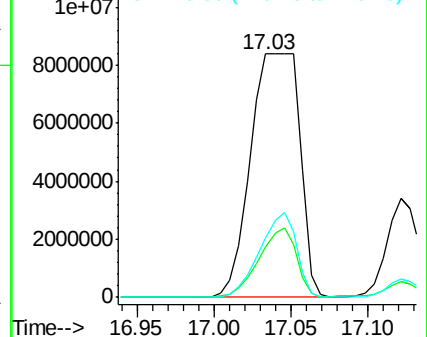
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 42.057 ng/ul

RT: 17.12 min Scan# 2403

Delta R.T. 0.00 min

Lab File: BN005241.D

Acq: 24 Apr 2019 07:09

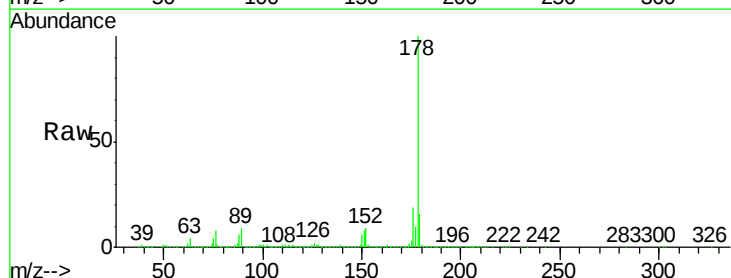
Tgt Ion:178 Resp: 4697273

Ion Ratio Lower Upper

178 100

179 16.0 12.3 18.5

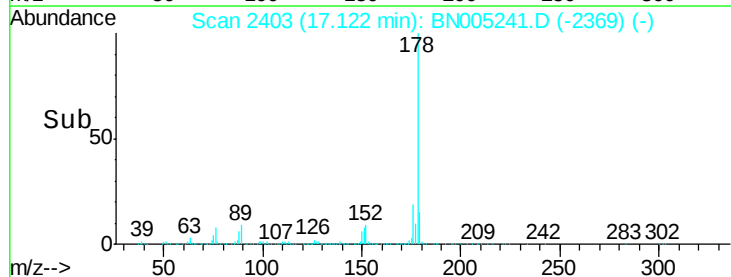
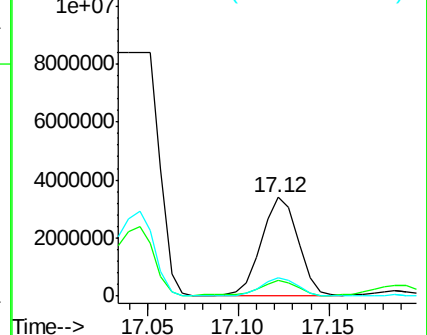
176 18.7 15.1 22.7

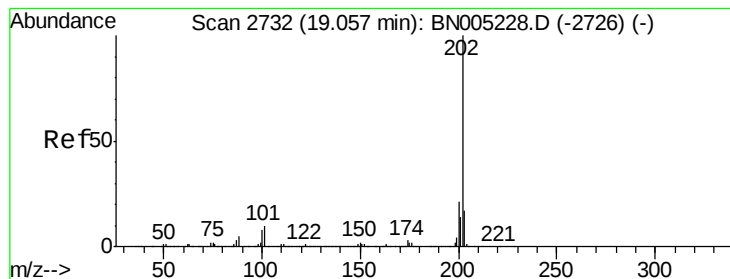


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#76

Fluoranthene

Concen: 38.363 ng/u1

RT: 19.06 min Scan# 2733

Delta R.T. 0.01 min

Lab File: BN005241.D

Acq: 24 Apr 2019 07:09

Instrument :

BNA_N

ClientSampleId :

GAHR1

Tgt Ion:202 Resp: 4665378

Ion Ratio Lower Upper

202 100

101 10.0 8.6 12.8

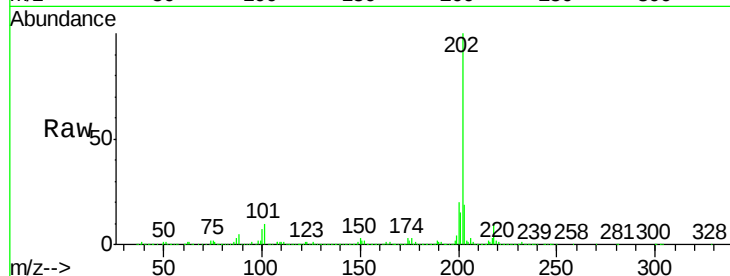
100 7.4 6.3 9.5

Manual Integrations

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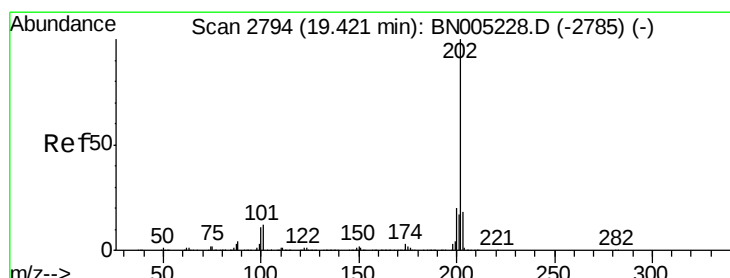
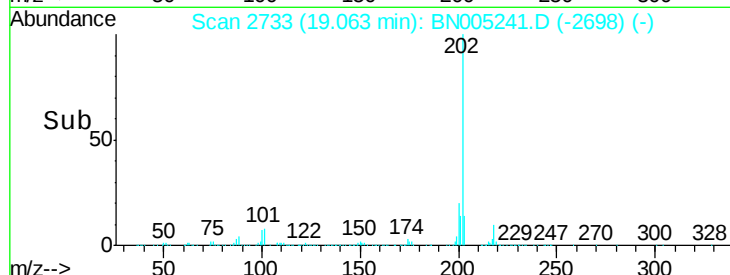
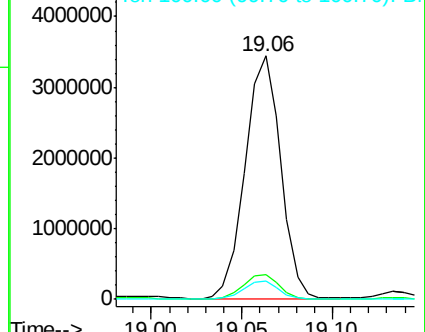
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#79

Pyrene

Concen: 58.172 ng/u1

RT: 19.43 min Scan# 2795

Delta R.T. 0.01 min

Lab File: BN005241.D

Acq: 24 Apr 2019 07:09

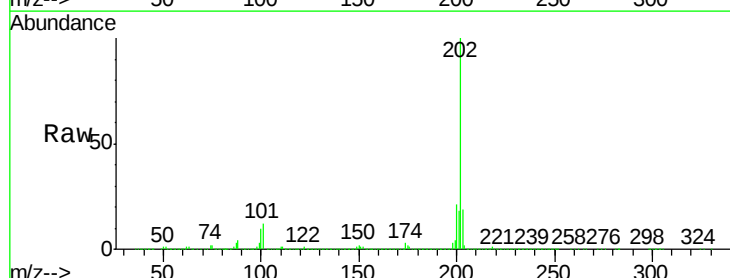
Tgt Ion:202 Resp: 7325811

Ion Ratio Lower Upper

202 100

101 11.9 10.3 15.5

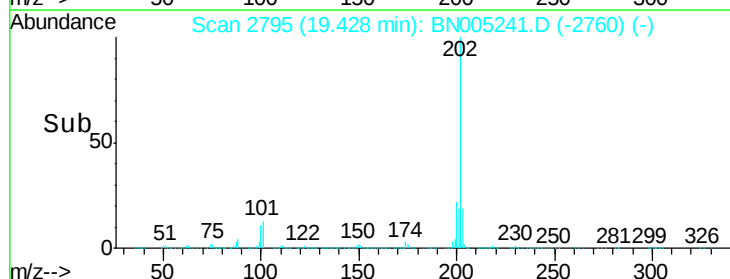
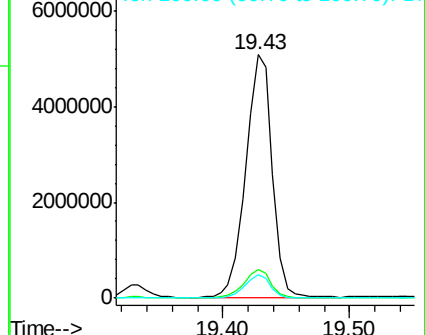
100 9.8 7.9 11.9

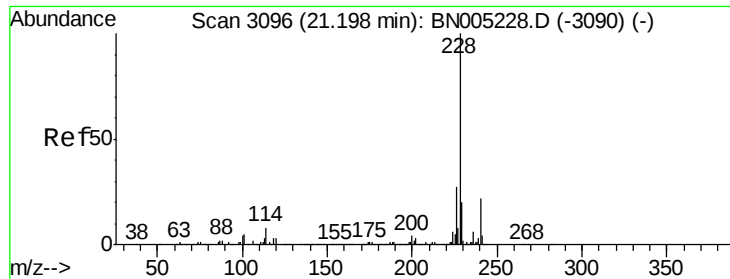


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





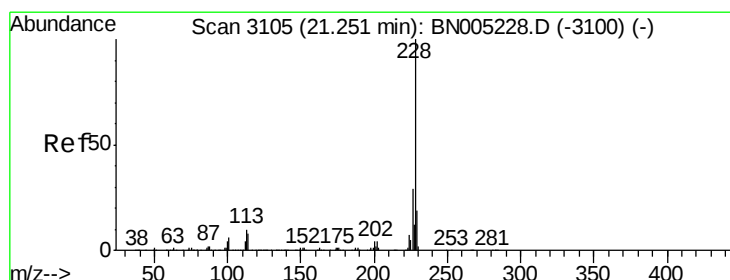
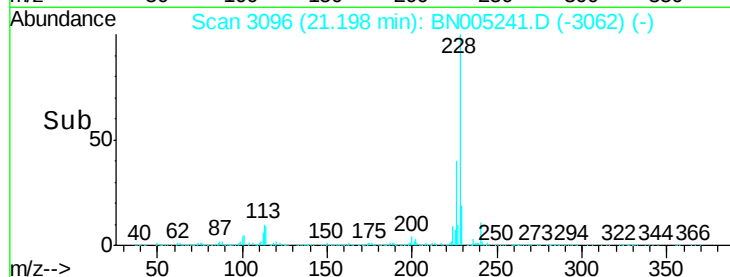
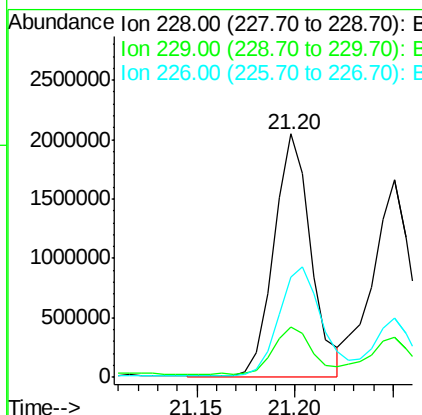
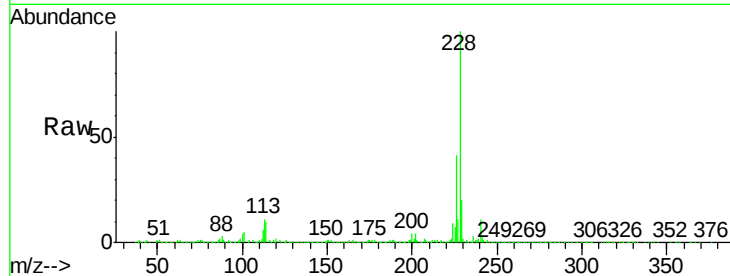
#82
Benzo(a)anthracene
Concen: 22.338 ng/ul m
RT: 21.20 min Scan# 3096
Delta R.T. 0.00 min
Lab File: BN005241.D
Acq: 24 Apr 2019 07:09

Instrument :
BNA_N
ClientSampled :
GAHR1

Tgt Ion:228 Resp: 2717998
Ion Ratio Lower Upper
228 100
229 20.4 15.8 23.6
226 41.0 21.4 32.2#

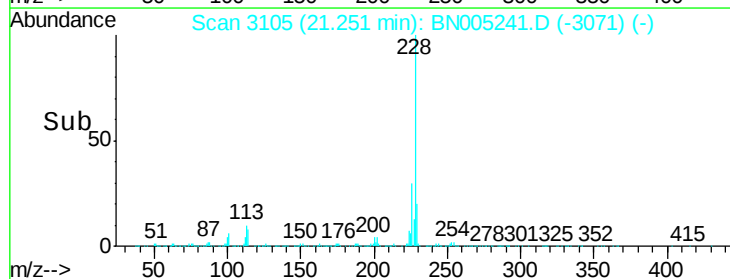
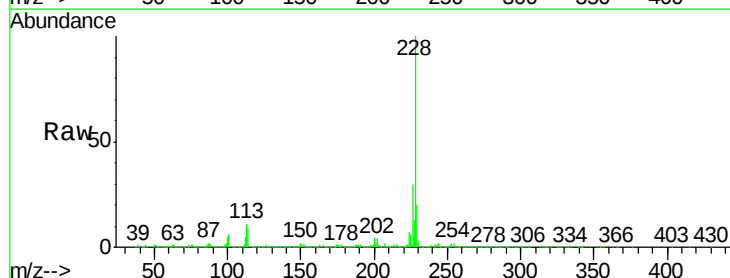
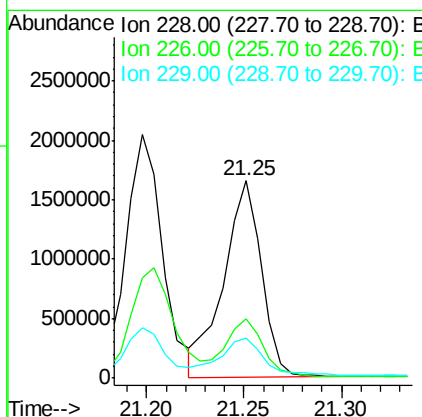
Manual Integrations
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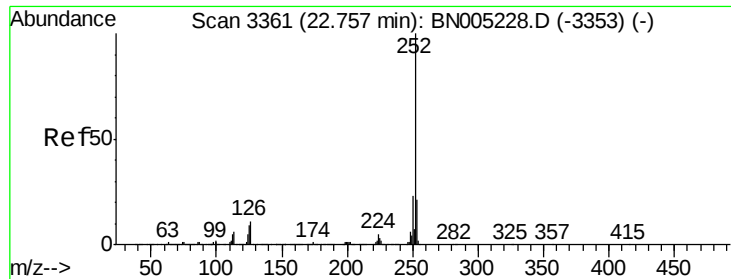
Sohil
4/24/2019 11:46:15 AM



#84
Chrysene
Concen: 19.721 ng/ul
RT: 21.25 min Scan# 3105
Delta R.T. 0.00 min
Lab File: BN005241.D
Acq: 24 Apr 2019 07:09

Tgt Ion:228 Resp: 2226977
Ion Ratio Lower Upper
228 100
226 30.0 24.0 36.0
229 20.5 15.4 23.0





#87

Benzo(b)fluoranthene

Concen: 10.338 ng/u1

RT: 22.76 min Scan# 3362

Delta R.T. -0.01 min

Lab File: BN005241.D

Acq: 24 Apr 2019 07:09

Instrument :

BNA_N

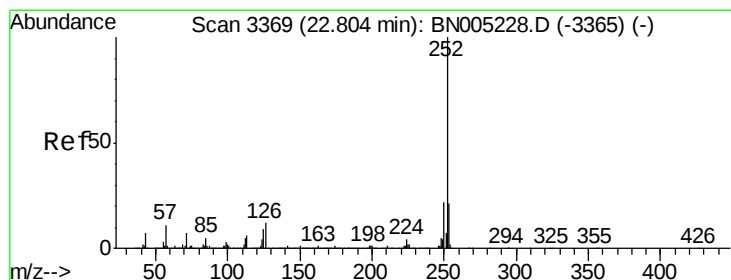
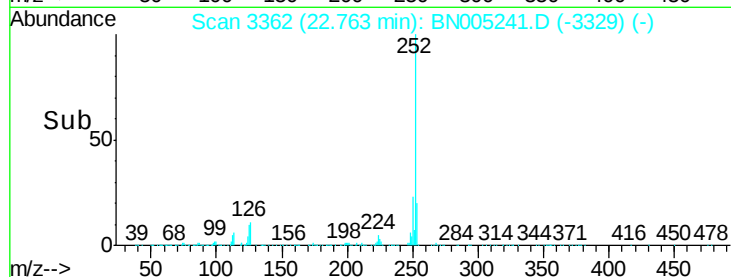
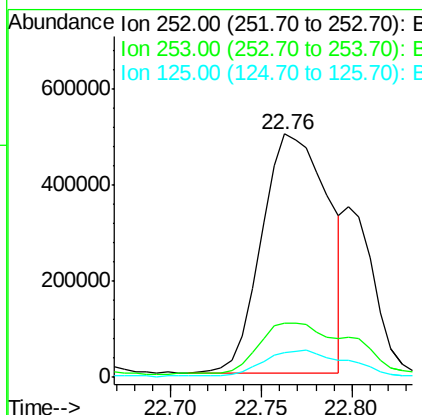
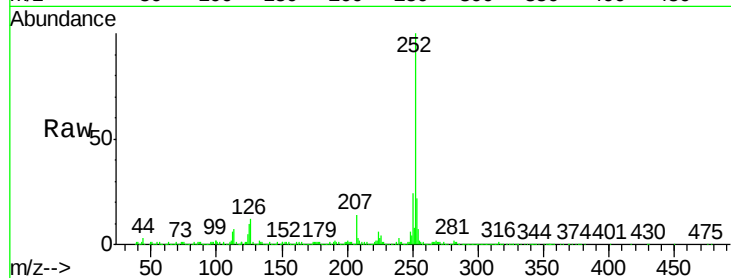
ClientSampleId :

GAHR1

Tgt Ion:	252	Resp:	1270989
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.7	26.5
125	10.3	8.4	12.6

Manual Integrations
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4/24/2019 11:46:15 AM



#88

Benzo(k)fluoranthene

Concen: 3.364 ng/u1 m

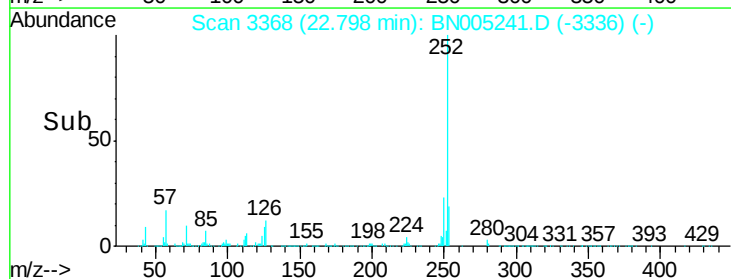
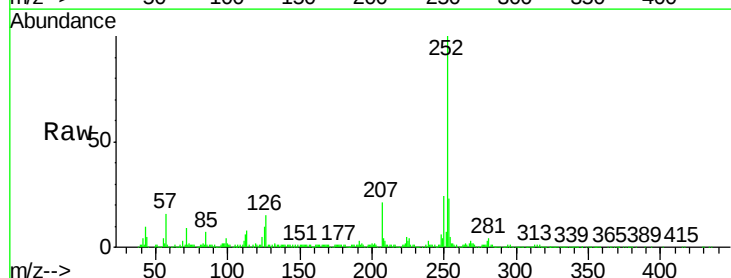
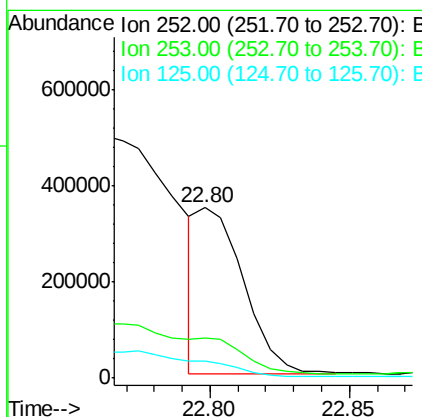
RT: 22.80 min Scan# 3368

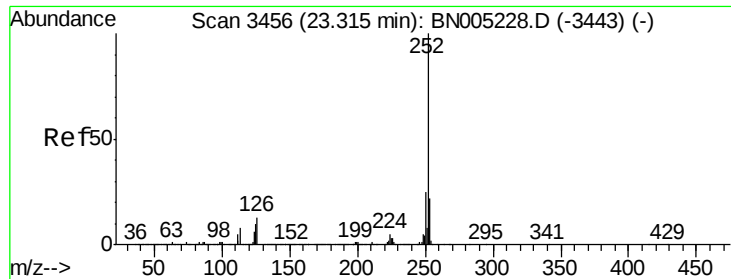
Delta R.T. -0.01 min

Lab File: BN005241.D

Acq: 24 Apr 2019 07:09

Tgt Ion:	252	Resp:	395003
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.4	26.0
125	10.0	7.5	11.3





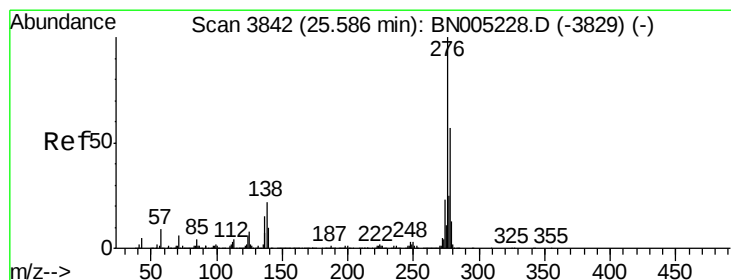
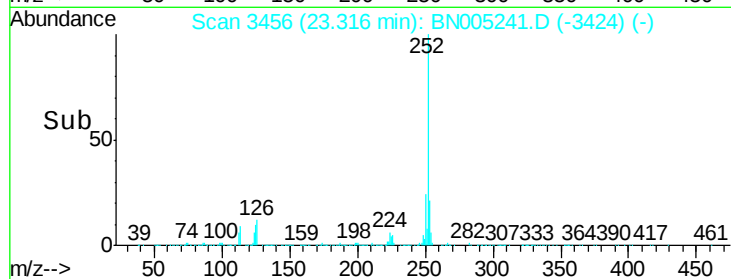
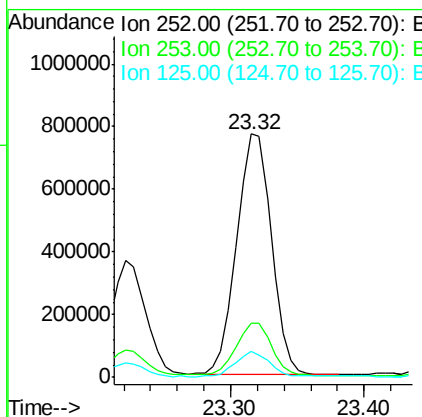
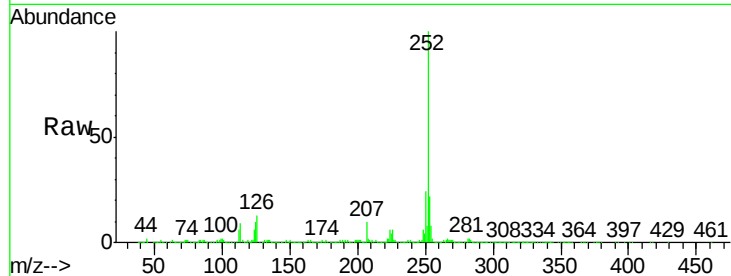
#90
Benzo(a)pyrene
Concen: 12.067 ng/ul
RT: 23.32 min Scan# 3456
Delta R.T. -0.01 min
Lab File: BN005241.D
Acq: 24 Apr 2019 07:09

Instrument :
BNA_N
ClientSampled :
GAHR1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.3	25.9
125	10.4	8.6	13.0

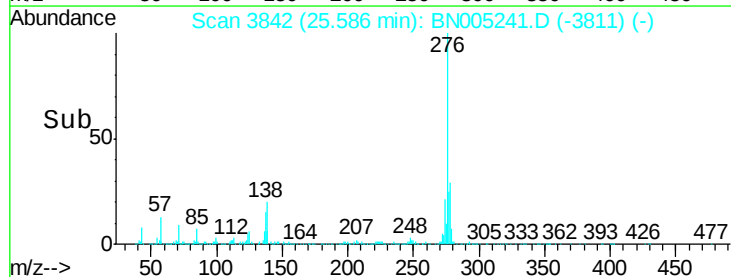
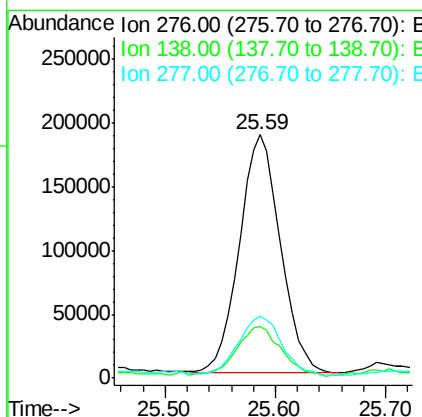
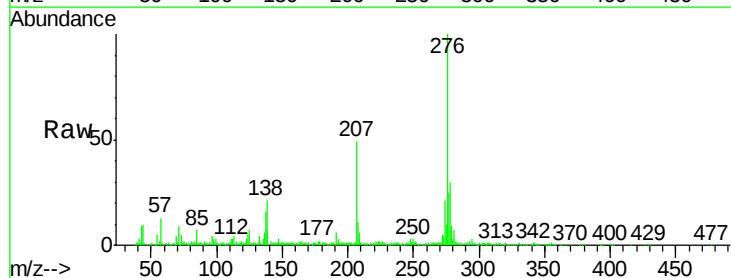
Manual Integrations
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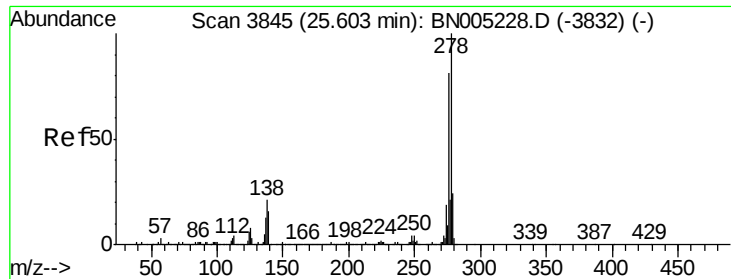
Sohil
4/24/2019 11:46:15 AM



#91
Indeno(1,2,3-cd)pyrene
Concen: 3.813 ng/ul
RT: 25.59 min Scan# 3842
Delta R.T. -0.02 min
Lab File: BN005241.D
Acq: 24 Apr 2019 07:09

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.3	17.9	26.9
277	25.4	19.7	29.5





#92

Dibenzo(a,h)anthracene

Concen: 1.701 ng/ul

RT: 25.60 min Scan# 3844

Delta R.T. -0.02 min

Lab File: BN005241.D

Acq: 24 Apr 2019 07:09

Instrument :

BNA_N

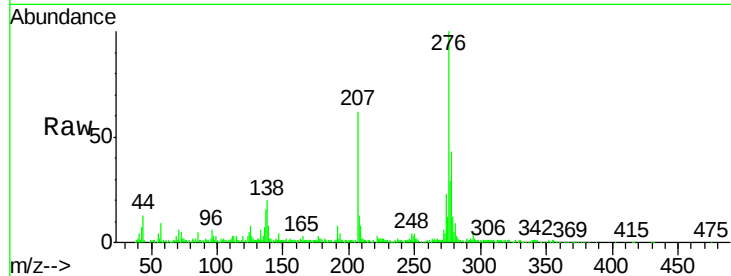
ClientSampled :

GAHR1

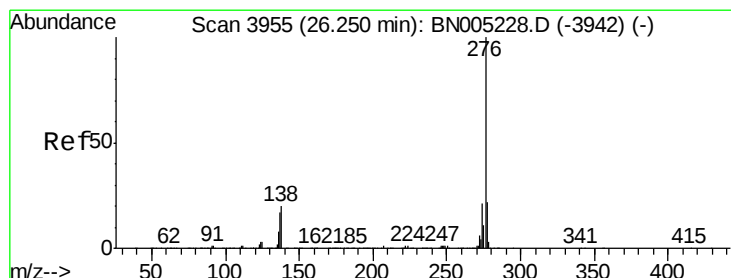
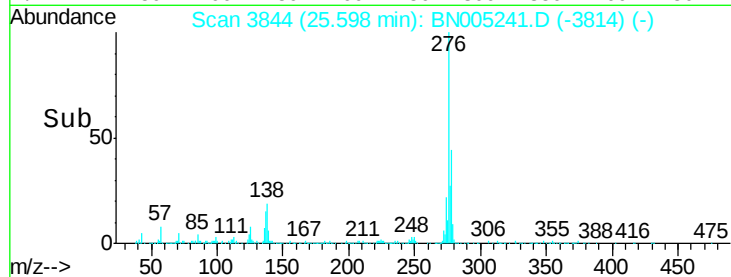
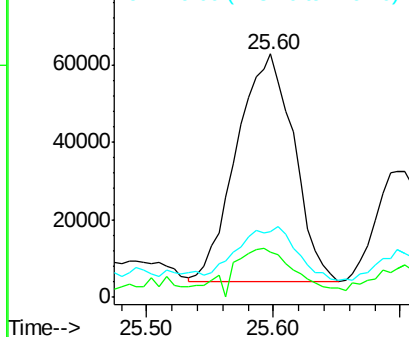
Tgt Ion:	278	Resp:	184470
Ion Ratio	Lower	Upper	
278	100		
139	18.5	13.1	19.7
279	26.8	19.4	29.0

Manual Integrations
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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#93

Benzo(g,h,i)perylene

Concen: 3.280 ng/ul

RT: 26.25 min Scan# 3955

Delta R.T. -0.01 min

Lab File: BN005241.D

Acq: 24 Apr 2019 07:09

Tgt Ion:	276	Resp:	346531
Ion Ratio	Lower	Upper	
276	100		
138	20.0	16.7	25.1
277	24.2	18.2	27.2

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

